ITS Component Specification

APPENDIX A: Requirements Per Component

NOTE TO READER:

THIS IS A LARGE DOCUMENT

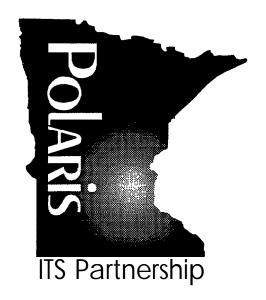
Due to its large size, this document has been segmented into multiple files. All files separate from this main document file are accessible from links (blue type) in the table of contents or the body of the document.

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Minnesota Intelligent Transportation Systems

ITS Component Specification

APPENDIX A: Requirements Per Component



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This document consists of one appendix listing components of multiple services. Each of the services has been extracted and is included on this page as a link. Please select the section you wish to view and click on it when the hand comes up. This will bring up the section you want.

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Component Specification - Appendix A: Requirements Per Component

The appendix lists the requirements that have been allocated to each component. The requirements for each component are grouped by, service, function, and subfunction. The following table defines the service, function, and subfunction acronyms used in the lists.

Acronvms Used in Component Specification Appendix A

Function	Sub-function	Acronym Description
		Account Management
MUSA		Manage User Service Accounts
	AUA	Administer User Accounts
	MSU	Manage Service Usage Data
	SBP	Manage Service Billing/Payments
PSPS		Plan Service Price Structure
	MPR	Manage Pricing Requirements
	MPS	Manage Pricing Strategies
	MSPS	Manage Service Pricing Structures
		Incident Management
MIRP		Manage Incident Response
	CRI	Classify and Record Incidents
	DAI	Detect and Acknowledge Incidents
	IRPPR	Initiate Response Plans and Procedures
	MIL	Manage Incident Log
	MMR	Manage Mayday Requests
	TRP	Track Response Progress
MIRS		Manage Incident Resources
	MIRA	Manage Incident Resource Assignments
	TIRS	Track Incident Resource Status
PIR		Plan Incident Response
	MRPP	Manage Response Plans and Procedures
	MRR	Manage Response Requirements
	MUSA PSPS MIRP	AUA MSU SBP PSPS MPR MPS MSPS MIRP CRI DAI IRPPR MIL IRPPR MIL MMR TRP MIRS MIRA TIRS PIR MRPP

Service	Function	Sub-Function	Acronym Description
		MIRRO	Manage Response Routes
MNT			Maintenance
	MNA		Manage Maintenance Activities
		MMRD	Manage Maintenance Records
		PM	Perform Maintenance Activities
	PMA		Plan Maintenance Activities
		GMP	Generate Maintenance Plan
		MMPI	Manage Maintenance Planning Information
		PMT	Prioritize Maintenance Tasks
PTS			Public Travel Security/Enforcement
	PTSE		Public Travel Security/Enforcement
		MTSER	Manage Travel Security/Enforcement Requirements
		MTSPR	Manage Travel Security Plans and Procedures
		MER	Manage Enforcement Requirements
	MTSE		Manage Travel Security Enforcement
		ISPP	Implement Security Plans and Procedures
		ER	Enforce Regulations
		MVI	Manage Violations Log
RMR			Ride Matching and Reservations
	DRO		Manage Demand Responsive Operations
		DRS	Provide Demand Responsive Service
		RSA	Manage Rideshare Schedule Adherence
		RSU	Manage Rideshare Service Usage Data
	RSO		Manage Rideshare Offers
		DTSPI	Distribute Transit Service Provider Information
		MRP	Match Rider with Provider
		PRO	Plan Rideshare Operating Procedures
		PRR	Plan Rideshare Routes
		RSO	Manage Rideshare Offers

Service	Function	Sub-Function	Acronym Description
	RSR		Manage Rideshare Requests
		DRI	Distribute Rideshare Information
		RRQ	Manage Rider Requests
TC			Traffic Control
	MSNEO		Manage Signal Network Operations
		CSM	Control Signal Modes
		ISTP	Implement/Adapt Signal Timing Plans
		MSR	Manage Signal Resources
	MSNO		Manage Signal Network Operations
		CSM	Control Sign Modes
		STP	Implement/Adapt Signing Plans
		MSIR	Manage Signing Resources
	MTC		Monitor Traffic Conditions
		CTD	Collect Traffic Surveillance Data
		DITC	Distribute Traffic Conditions
		DETC	Determine Traffic Conditions
		STSD	Sense Traffic Surveillance Data
	PTCS		Plan Traffic Control Strategies
		MTCP	Manage Traffic Control Strategies/Plans
		MTCR	Manage Traffic Control Requirements
TCI			Travel Conditions Information
	MTCD		Manage Travel Conditions Data
		CTC	Collect Travel Conditions Source Data
		BTC	Determine Basic Travel Conditions and Travel Effects
		STD	Sense Travel Conditions Data
	MTCI		Manage Travel Conditions Information
		DTC	Distribute Travel Conditions Information
		TTC	Determine Tailored Travel Conditions

Service	Function	Sub-function	Acronym Description
		TTE	Determine Tailored Travel Effects
TFM			Public Transit Fleet Management
	MAIN		(High Level Requirements)
		MAIN	(High Level Requirements)
	MFO		Manage Fleet Operations
		MPT	Manage Passenger Transfers
		MPU	Manage Passenger Usage Data
		MRC	Manage Route Changes
		MSA	Manage Schedule Adherence
		MTA	Manage Transit Assignments
		TRS	Track Resource Operational Status
	PFO		Plan Fleet Operations
		PFR	Plan Fixed/Flexible Routes, Trips, and Runs
		POP	Plan Fleet Operating Procedures
		STT	Schedule Trip Times
TNG			Training
	MTACT		Manage Training Activity
		MTCRD	Manage Training Credentials
		MTR	Manage Training Records
		PTC	Perform Training/Certification Activity
	PTA		Plan Training Activities
		ETS	Establish Training Schedule
		GTP	Generate Training Plan
		PPE	Plan Public Education
		PTR	Prioritize Training Tasks
TPD			Trip Planning and Directions
	MTPD		Manage Trip Planning and Directions Data
		CD	Compute Directions
		DR	Determine Route

Service	Function	Sub-function	Acronym Description
	MTTP		Manage Tailored Trip Plans and Directions
		BTI	Build Trip Plan
		DTPD	Distribuute Trip Plans and Directions
TSI			Traveler Services Information
	MTSD		Manage Traveler Services Data
		BTS	Manage Basic Traveler Services Information
		CTS	Manage Basic Traveler Services Source Data
	MTTS		Manage Tailored Traveler Services Information
		DTSI	Distribute Traveler Services Information
		DTTS	Determine Tailored Traveler Services Information
		MR	Make Reservations